

26. (NEW) An interactive data analysis support apparatus according to claim 23, wherein said graph display means comprises:

A³
an automatic analyzing device finding a new display item by extracting a characteristic of said the data sampled at random from said database, and a display item-adding device adding the new display item found by said automatic analyzing device to the graph.

REMARKS

I. STATUS OF THE CLAIMS

Claims 1-22 were pending as of the outstanding Office Action.

Claims 9 and 20 are canceled above, without prejudice or disclaimer.

New claims 23-26 are added.

Various claims are amended.

In view of the above, it is respectfully submitted that claims 1-8, 10-19, and 21-26 are submitted for consideration herein.

II. REJECTION OF CLAIMS 1-8, 10-19, and 21-22 UNDER 35 U.S.C. § 102(a)

On pages 2-5 of the Action, the Examiner rejects claims 1-8, 10-19, and 21-22 (claims 9 and 20 are canceled above) under 35 U.S.C. § 102(a) as being anticipated by Microsoft Excel 97, published by the Microsoft Corporation, 1997, pages 1-11 (Hereinafter "Excel 97").

Independent claim 1 (as amended) recites, "... cross tabulation display means for displaying according to [specified] summing up conditions to set a range to be displayed a cross tabulation in which data [to be analyzed] sampled at random from a database is cross

not in C.I.I.

summed up . . . graph display means for displaying the data [to be analyzed] sampled at random from the graph display means for displaying the data [to be analyzed] sampled at random from the database as a graph within the range of the cell specified by said cell specifying means.”

Excel 97 does not sample at random. Instead, Excel 97 displays data within a rectangular range specified by a user in a cross tabulation. The data sampled at random from the database is typically advantageous than what is disclosed in Excel 97, for example, the invention recited in claim 1 can process data at higher speed because typically it is not required to read all data in the database. Therefore, as amended, claim 1 is a different invention than what is disclosed by Excel 97, and therefore claim 1 cannot be anticipated by Excel 97.

Dependent claims 2-8 and 10-11 are dependent upon claim 1, which for the above reasons, should be allowed over the prior art. In addition, claims 2-8 and 10-11 recite additional features not taught or suggested by the prior art, and it is submitted that claims 2-8 and 10-11 are independently patentable as well.

Claim 2 (as amended) recites, “. . . said graph display means comprises display limiting means for limiting the range of the data to be displayed by an operation in a graph.” In contrast, Excel 97 does not limit the range of data to be displayed by an operation in a graph. Instead, the range of data displayed in Excel 97 is set by the user.

Claim 3 (as amended) recites, “. . . storing the range of the data to be displayed which is limited by said display limiting means as a summing up condition used by said cross tabulation display means, and said cross tabulation display means is capable of displaying cross tabulation in which the data [to be analyzed] sampled at random from a database is cross-

summed up according to the [stored] summing up condition stored by said storage means.”

First, as stated above, Excel 97 does not disclose the sampled at random from a database feature. Second, claim 1 is amended to recite “summing up conditions to set a range to be displayed a cross tabulation . . .” Excel 97 does not include summing up conditions to set a range to be displayed a cross tabulation. Therefore, the storing of the summing up condition or the displaying cross tabulation . . . according to the summing up condition, recited in claim 3, are not realized by Excel 97.

Claim 4 (as amended) recites, “. . . said graph display means comprises rearranging means for automatically rearranging in a graph the data to be displayed according to predetermined conditions.” Excel 97 requires rearrangement of data as objects which are analyzed in a cross tabulation for the data to be displayed as a graph. However, Excel 97 automatically rearranges in a graph the data to be displayed.

Claim 5 (as amended) recites, “. . . said cross tabulation display means is capable of displaying cross tabulation in which the data [to be analyzed] sampled at random from a database is cross-summed up according to the [stored] summing up condition stored by said storage means.” Excel 97 does not provide for displaying a cross tabulation . . . which is cross-summed up, not storing the summing up condition. As stated above, amendments to claim 1 revise how the summing up is defined, which is not anticipated by Excel 97.

Furthermore, as stated above, Excel 97 does not disclose the data sampled at random.

Claim 6 (as amended) recites, “. . . automatic analyzing means for finding a new display item by extracting a characteristic of said] the data [to be analyzed] sampled at random from said database, and display item-adding means for adding the [found] new display item

found by said automatic analyzing means to the graph.” Excel 97 does not disclose item-adding means for adding the new display item found by said automatic analyzing means to the graph.

Claim 7 (as amended) recites, “. . . said graph display means comprises storage means for storing the new display item added by said display item-adding means as a summing up condition used by said cross tabulation display means, and said cross tabulation display means is capable of displaying cross tabulation in which the data [to be analyzed] sampled at random from a database is cross-summed up according to the [stored] summing up condition stored by said storage means.” As stated above, Excel 97 does not disclose the claimed storing the summing up condition nor displaying cross tabulation . . . cross-summed up according to the summing up condition.

Independent claim 12 is amended similarly to independent claim 1, and therefore, in view of the above remarks with respect to claim 1, should be allowed over the prior art.

Dependent claims 13-19 and 21-22 are dependent upon claim 12, which for the above reasons, should be allowed over the prior art, In addition, claims 13-19 and 21-22 recite additional features not taught or suggested by the prior art, and it is submitted that claims 13-19 and 21-22 are independently patentable as well.

Claim 13 is amended similarly to claim 2, and therefore, in view of the above remarks with respect to claim 2, should be allowed over the prior art.

Claim 14 is amended similarly to claim 3, and therefore, in view of the above remarks with respect to claim 3, should be allowed over the prior art.

Claim 15 is amended similarly to claim 4, and therefore, in view of the above remarks

with respect to claim 4, should be allowed over the prior art.

Claim 16 is amended similarly to claim 5, and therefore, in view of the above remarks with respect to claim 5, should be allowed over the prior art.

Claim 17 is amended similarly to claim 6, and therefore, in view of the above remarks with respect to claim 6, should be allowed over the prior art.

Claim 18 is amended similarly to claim 7, and therefore, in view of the above remarks with respect to claim 7, should be allowed over the prior art.

Claim 19 is amended similarly to claim 8, and therefore, in view of the above remarks with respect to claim 8, should be allowed over the prior art.

Therefore, in view of the above remarks and amendments, it is submitted that claims 1-8, 10-19, and 21-22 are not anticipated by the prior art, and withdrawal of the rejections is respectfully requested.

III. NEW CLAIMS 23 - 26

New claims 23-26 are added which recite features not taught or suggested by the prior art, as discussed above. Therefore, it is submitted that new claims 23-26 are in condition for allowance.

IV. CONCLUSION

In view of the above, it is respectfully submitted that the Application is in condition for allowance, which action is earnestly solicited.

If any further fees are required in connection with the filing of this Amendment, please charge same to our Deposit Account No. 19-3935.

Respectfully submitted,

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CERTIFICATE UNDER 37 CFR 1.8(a)

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By: Jon H. Muskin

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